

## A New Species of the Genus *Gongylidioides* (Araneae: Linyphiidae) from Iriomotejima Island, Southwest Japan

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田副幸子<sup>1)</sup>: 西表島産ズキンヌカグモ属の1新種

**Abstract** A new spider species, *Gongylidioides onoi* (Linyphiidae), is described on the basis of the materials obtained from Iriomotejima Island, Okinawa Pref., Southwest Japan.

The genus *Gongylidioides* (Linyphiidae) was established by OI (1960) based on the type species *G. cucullatus* OI, 1960, described from Kyoto, Japan. Up to the present, no other species was described under the genus, though some undescribed species were recorded by KIKUYA (1985) and CHIKUNI (1989). After an examination of the materials collected by Mr. Akio TANIKAWA from Iriomotejima Island, Okinawa Pref., Southwest Japan, I recognized a new species of the genus occurring in the island. It will be described in the present paper.

All the type specimens designated in this paper are deposited in the collection of the National Science Museum (Nat. Hist.), Tokyo.

The abbreviations used in this paper are as follows: ALE, anterior lateral eye; AME, anterior median eye; PLE, posterior lateral eye; PME, posterior median eye; NSMT, National Science Museum (Nat. Hist.), Tokyo.

Before going further, I wish to express my hearty thanks to Mr. Akio TANIKAWA, for his guidance and offering the specimens used in this study, and to Dr. Hirotsugu ONO, National Science Museum (Nat. Hist.), Tokyo, for revising the manuscript of this paper.

### *Gongylidioides onoi* sp. nov.

(Figs. 1–7)

*Specimens examined.* Type series. Holotype: ♂, Komi, Iriomotejima Island, Okinawa Pref., Southwest Japan, 3-I-1990, A. TANIKAWA leg. (NSMT-Ar 3170). Paratypes: Ôtomi, 5♀♀, 28-III-1986, 1♀, 29-III-1988, 1♀, 2-I-1989, 1♀, 4-I-1989; Komi, 1♀, 4-I-1988, 2♂♂1♀, 30-III-1989, 1♂5♀♀, 3-I-1990, 1♀, 18-VIII-1993; Ôhara, 1♀, 30-III-1986; Shirahama, 1♀, 30-XII-1990; all from Iriomotejima Island, Okinawa Pref., Southwest Japan, A. TANIKAWA leg. (NSMT-Ar 3171–3180).

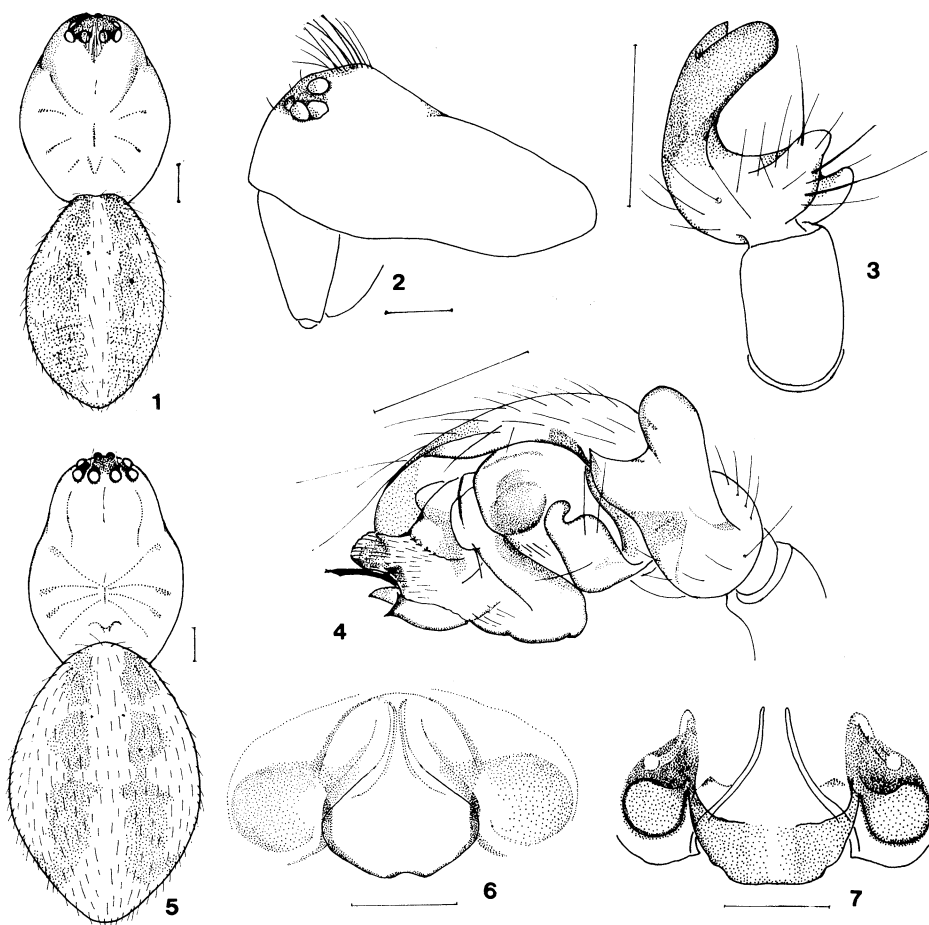
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**Description.** Measurement (in mm). Body length ♂ 2.06–2.09, ♀ 1.86–2.70; carapace length ♂ 1.01–1.02, ♀ 0.78–1.16, width ♂ 0.73–0.75, ♀ 0.58–0.78; abdomen length ♂ 1.10–1.13, ♀ 1.13–1.74, width ♂ 0.75–0.81, ♀ 0.75–1.16. Length of legs of the holotype ♂ and the paratype 1♀ from Shirahama, Iriomotejima Island as shown in Table 1.

**Male.** Carapace yellowish brown to pale brown. Head roundly elevated, with numerous long bristles on the top. AMEs separated from each other by the radius. ALE about 1.3 times the diameter of AME, separated from AME by about the radius of AME. PME about 1.3 times the diameter of AME, separated from PLE by the radius of AME. Chelicera with 5 promarginal and 4 small retromarginal teeth. Sternum yellowish brown, roundly heart-shaped. Legs yellowish brown



Figs. 1–7. *Gongylioides onoi* sp. nov.—1. Cephalothorax and abdomen of male, dorsal view. 2. Male cephalothorax, lateral view. 3. Tibia of male palp, dorsal view. 4. Male palp, retrolateral view. 5. Cephalothorax and abdomen of female, dorsal view. 6. Epigynum. 7. Female genitalia, dorsal view. (Scales: 0.2 mm.)

Table 1. Measurement of leg segments of *Gongylidioides onoi* sp. nov. (in mm; ♂/♀).

Leg	Tarsus	Metatarsus	Tibia+Patella	Femur	Total
I	0.44/0.44	0.61/0.55	0.87/0.75	0.87/0.70	2.79/2.44
II	0.44/0.35	0.58/0.46	0.84/0.73	0.78/0.58	2.64/2.12
III	0.38/0.29	0.52/0.44	0.73/0.61	0.61/0.58	2.24/1.92
IV	0.44/0.41	0.73/0.64	0.96/0.81	0.87/0.73	3.00/2.59

to pale yellow, tibiae I and II with two dorsal spines, tibiae III and IV with one dorsal spine, respectively. Tm I 0.62–0.68, Tm IV present. Male palp as shown in Fig. 4; tibia short, dorsally with particular large apophyses as shown in Fig. 3. Abdomen pale gray to dark gray, oval; sometimes with pairs of black markings as as shown in Fig. 1.

Female. Similar to male in color and markings. Head not so elevated as that of the male. Epigynum as shown in Fig. 6.

*Range.* Japan (Iriomotejima Island).

*Remarks.* The male of the new species has no lobe on the head, though a large one is present in *Gongylidioides cucullatus*. However, I make this new species a member of the genus *Gongylidioides*, judging from the structure of epigynum and male palp similar to those of the type species.

*Etymology.* The species is dedicated to Dr. Hirotsugu ONO, National Science Museum (Nat. Hist.), Tokyo.

## 摘 要

西表島から採集された標本に基づき *Gongylidioides* (ズキンヌカグモ属) の1新種を *Gongylidioides onoi* オノヌカグモ (新称) と命名して記載した。

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